

Hydrographs for typical points on several principal rivers are shown on Chart I. The stations selected for charting are Keokuk, St. Louis, Memphis, Vicksburg, and New Orleans, on the Mississippi; Cincinnati and Cairo, on the Ohio; Nashville, on the Cumberland; Johnsonville, on the Tennessee; Kansas City, on the Missouri; Little Rock, on the Arkansas; and Shreveport, on the Red.

SNOWFALL IN HIGH ALTITUDES, DECEMBER, 1915.

[Compiled from reports of section directors.]

Detailed reports on the amount of snowfall both in high altitudes and in the lowlands of Western States will be found in the publication entitled Climatological Data for December, 1915.

In general the snowfall of December in the Pacific Coast and Rocky Mountain States was up to normal; in some localities it slightly exceeded the normal. In the Plateau States of Nevada and Utah the distribution was somewhat irregular; in the last-named a line drawn from the northwest to the southeast corner of the State will separate roughly the regions of light snowfall from those of moderate to heavy snowfall, the latter being in the northeastern part of the State.

In Arizona a general storm at the close of the month left a considerable snow cover in the higher levels of the central and northern counties.

At this date (Jan. 29, 1916), telegraphic advices from Western States show that the snowfall in the mountains of California, Arizona, Nevada, and Utah, and the southwestern portion of Colorado, including northwestern New Mexico, during January, 1916, was exceptionally heavy.

MEAN LAKE LEVELS DURING DECEMBER, 1915.

By UNITED STATES LAKE SURVEY.

[Dated: Detroit, Mich., Jan. 4, 1916.]

The following data are reported in the Notice to Mariners of the above date:

Data.	Lakes.			
	Superior.	Michigan and Huron.	Erie.	Ontario.
Mean level during December, 1915:				
Above mean sea level at New York.....	Feet. 602.72	Feet. 579.51	Feet. 571.37	Feet. 244.78
Above or below—				
Mean stage of November, 1915.....	—0.17	—0.01	—0.09	—0.16
Mean stage of December, 1914.....	+0.63	—0.08	—0.04	—0.05
Average stage for December, last 10 years.....	+0.47	—0.63	—0.36	—0.72
Highest recorded December stage.....	—0.41	—3.01	—2.16	—2.83
Lowest recorded December stage.....	+1.52	+0.51	+0.51	+1.35
Average relation of the December level to—				
November level.....	—0.2	—0.2	—0.1	—0.1
January level.....	+0.3	+0.2	0.0	—0.1